## Pattern

From aerial photos or from field survey obtain the following information:

- 1). Meander wavelength (Lm) Obtain minimum maximum and average valures.
- 2). Ratio of meander wavelength to bankfull width  $(L_m / W_{bkf})$ .
- 3). Radius of curvature (R<sub>c</sub>) Obtain for minimum, maximum and average values.

  Besides measuring on aerial photo or in field, another technique for field measurement is the Chord length/mid-ordinate method (see sketch) where R<sub>c</sub>=C<sup>2</sup>/8M. + 4/2
- 4). Meander width ratio (belt width/ bankfull width, or lateral containment) (W<sub>blt</sub>/w<sub>bkf</sub>) Measure minimum, maximum and average meander width ratios.
- 5). Sinuosity (Stream length/ Valley distance, or valley slope/ channel slope).
- 6). Arc length (Larc).

